

APPLICANT(S): FUDIM, Max et al.
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1. (Currently Amended) A method of secure roaming from a first access point to a second access point comprising:
operating in a secured connection on a first port with the first access point;
~~roaming from a first access point to a second access point by presenting a~~
~~first power saving mode on the first port to the first access point;~~
~~while establishing [[a]] the secured connection on a second port with the~~
~~second access point;~~
~~presenting a second power saving mode on the second port to the second~~
~~access point while dissociating with said first access point; and~~
~~exitting the second power saving mode on the second port.~~
2. (Currently Amended) The method of claim, 1 wherein establishing the secure connection comprises:
associating with the second access point; and
creating a port authentication entity on the second port with authenticating
by the second access point.
3. (Currently Amended) The method of claim 2, further comprising:
~~presenting a power saving mode to the second access point and exitting the~~
~~power saving mode with the first access point; and~~
~~after exitting the first power saving mode with said first access point,~~
receiving buffered data from the first access point.

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4. (Currently Amended) The method of claim 2, further comprising:

unauthorizing the first port;
disassociating from the first access point;
authorizing the second port; and
associating with the second access point.

5. (Currently Amended) An apparatus capable of secure roaming from a first access point to a second access point comprising:

a supplicant unit to provide [[a]] first and second secured connections to a first and a second access point on first and second ports, respectively, and to present a power saving mode to the first access point while unauthorizing the second port to enable establishment of establishing the second secured connection with the second access point.

6. (Currently Amended) The apparatus of claim 5, wherein the supplicant unit is able to ~~associate with the second access point while presenting present~~ [[a]] the power saving mode to the first second access point and to establish an authenticated link while disassociating with the second first access point.

7. (Currently Amended) The apparatus of claim 6, whercin the supplicant unit is able to present [[a]] the power saving mode to the second access point and to receive buffered data from the first access point.

8. (Canceled)

9. (Currently Amended) The apparatus of claim 5, wherein the first port is authorized and the second port is in an unauthorized mode while performing a secured communication with the first access point and wherein the second port is in an unauthorized mode.

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10. (Currently Amended) The apparatus of claim 5, wherein the second port is authorized and the first port is in an unauthorized mode while in secured communication with the second access point ~~and wherein the first port is in an unauthorized mode.~~
11. (Currently Amended) A wireless communication system comprising:
[[A]] a station to roam from a first secure link with a first access point to a second secure link with a second access point, wherein the station includes a supplicant unit to present a first power saving mode to the first access point while establishing the secured connection with the second access point and a second power saving mode with the second access point disassociating with the first access point.
12. (Currently Amended) The wireless communication system of claim 11, wherein the supplicant unit is able to associate with the second access point while presenting [[a]] the power saving mode to the first access point and to establish an authenticated link with the second access point.
13. (Currently Amended) The wireless communication system of claim 12, wherein the supplicant unit is able to present a power saving mode to the second access point to receive buffered data from the first access point.
14. (Original) The wireless communication system of claim 11, further comprising:
an authentication server to establish provide an authentication protocol to the first and second [[a]] secured links between the station and the first and second access points, respectively according to an authentication protocol.

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15. (Original) The wireless communication system of claim 11, wherein the station comprises a supplicant unit to enable authentication.
16. (Currently Amended) The wireless communication system of claim 11, wherein the first and second access points comprises an authenticator unit to enable the station to maintain a secured communication with at least one of the first and second access point.
17. (Currently Amended) The wireless communication system of claim 14, wherein the authentication server is to be configured as a remote authentication dial-in user service (RADIUS) server.
18. (Original) The wireless communication system of claim 14, wherein the authentication protocol comprises an extensible authentication protocol.
19. (Original) The wireless communication system of claim 14 comprising a wireless local area network.
20. (Currently Amended) The wireless communication system of claim 11, wherein the first port is authorized while performing [(a)] the secured communication with the first access point and the second port is in unauthorized to enable an authentication protocol to initiate the secure connection with the second access point.

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21. (Original) The wireless communication system of claim 11, whercin the second port is authorized while performing a secured communication with the second access point and the first port is unauthorized.
22. (Currently Amended) An apparatus A mobile station capable of secure roaming from a first access point to a second access point comprising:
[[An]] an internal antenna to transmit and receive [[a]] secured communications; and
a supplicant unit to provide [[a]] first and second secured connections to a first and a second access point on a first and second ports, respectively,
and to present a power saving mode to the first access point while unauthorizing the second port to enable establishment of establishing
[[the]] second secured connection with the second access point.
23. (Currently Amended) The apparatus mobile station of claim 22, whercin supplicant unit is able to ~~associate with the second access point while presenting prescnt~~ [[a]] the power saving mode to the [[first]] second acccess point while disassociating and to establish an authenticated link with the second first access point.
24. (Currently Amended) The apparatus mobile station of claim 23, wherein the supplicant unit is able to present [[a]] the power saving mode to the second access to receive buffered data from the first access point.
25. (Canceled)

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26. (Currently Amended) The apparatus mobile station of claim 22, wherein the first port is authorized while performing a secured communication with the first access point and wherein the second port is in an unauthorized mode.
27. (Currently Amended) The apparatus mobile station of claim 22, wherein the second port is authorized while in secured communication with the second access point and the first port is in an unauthorized mode.
28. (Currently Amended) An article comprising: a storage medium, having stored thereon instructions, that when executed, result in:
operating in a secured connection on a first port with the first access point;
~~roaming from a first access point to a second access point by presenting a~~
~~first power saving mode to on the first port the first access point;~~
~~while establishing [[a]] the secured connection on a second port with the~~
~~second access point;~~
presenting a second power saving mode on the second port to the second
access point while dissociating with said first access point; and
exiting the second power saving mode on the second port.
29. (Currently Amended) The article of claim 28, wherein the instructions when executed, result in at least initiating establishing a secured connection with the second access point by:
associating with the second access point; and
creating a port authentication entity on the second port with authenticating
by the second access point.
30. (Currently Amended) The article of claim 29, whercin the instructions when executed, result in:
~~presenting a power saving mode to the second access point and exiting the~~
~~power saving mode with the first access point; and~~

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after exiting the first power saving mode with said first access point,
receiving buffered data from the first access point.

31. (Currently Amended) The article of claim 29, wherein the instruction when executed, result in:

unauthorizing the first port;
disassociating from the first access point;
authorizing the second port; and
associating with the second access point.